Thermochimica Acta, 230 (1993) 347
Elsevier Science Publishers B.V., Amsterdam

AUTHOR INDEX

Abdel Wahab, M. 143
Adamkovičová, K. 103
Allan, J.R. 123, 129, 137
Aquilano, D. 29

Baetzold, R.C. 345
Basahel, S.N. 143
Beach, L.J. 39
Beaumont, P.C. 123, 129, 137
Bernalte-García, A. 225
Blasco, D. 55
Błażejowski, J. 269

Canale, P.L. 293
Cárdenas T., G. 259
Cass, R.S. 293
Cavalli, R. 29
Ciobanu, C. 235
Compton, D.A.C. 293

Diefallah, El-H.M. 143
Dráb, J. 177

El-Bellihi, A.A. 143

Gasco, M.R. 29
Gaune-Escard, M. 15
Gazda, Š. 177
Godino-Salido, M^{a}L. 225
Gruzdiewa, L. 269
Gupta, M.C. 155
Gutierrez-Valero, M.D. 225

Harrison, I.R. 309
Hatem, G. 15

Iyer, V.S. 95

Jais, A.T. 155
Jayanthi, K. 95
Johnson, D.J. 293

Kam, J.S.C. 39
Koga, Y. 39
Kosa, L. 103

Lafuente, C. 55
Lai, J.T.W. 39
Lau, F.W. 39
López-Garzón, R. 225

MacKenzie, K.J.D. 331, 339
Mahmoud, K. 15
Mannan, S.L. 207
Mansour, S.A.A. 243
Meinhold, R.H. 331, 339
Milburn, G.H.W. 123, 129, 137
Milosavljevic, B.H. 319
Mokhtar Mohamed, M. 167

Nagata, I. 83
Nerád, I. 103
Novakovic, Lj. 319

Ohta, T. 1
Omran, Z.A. 143

Palamaru, M. 235
Proks, I. 103
Pruna, L. 235

Raj, B. 113
Rak, J. 269
Rama Rao, G.V. 207
Rogalski, M. 83
Rossiter, B.W. 345
Royo, F.M. 55
Rusu, I. 235

Salgado C., E. 259
Santafé, J. 55
Secerov, B. 319
Šesták, J. 65, 77
Singh, P.P. 113
Singh Mudher, K.D. 95
Singh Raman, R.K. 207
Sivaprasad, P.V. 207
Štolcová, A. 177
Strečko, J. 103

Tagle D., L.H. 259
Thanh, H.V. 269

Urieta, J.S. 55

Varadaraju, U.V. 207
Venkadesan, S. 207
Venugopal, V. 95

Wang, G. 309
Wood, I.J. 123, 129, 137

Zeman, S. 177, 191
Živković, D. 65, 77
Živković, Ž. 65, 77

Thermochimica Acta, 230 (1993) 349–355
Elsevier Science Publishers B.V., Amsterdam

SUBJECT INDEX

Ammonium oxalate
Kinetic analysis of thermal decomposition reactions. Part 8. Radiation effects on the thermal decomposition of ammonium oxalate monohydrate 143
Anion
Thermodynamics of 1:1 electrolyte mixtures in aquo-1,4-dioxane solvent system: molar excess enthalpy 113
Association
Prediction of ternary excess molar enthalpies for *n*-butylamine + 1,4-dioxane + acetonitrile from binary data alone 83
Atmosphere
Spectroscopic and microscopic investigations of the thermal decomposition course of nickel oxysalts. Part 3. Nickel oxalate dihydrate 243
Thermal decomposition of dolomite (calcium magnesium carbonate) studied by ^{25}Mg solid-state nuclear magnetic resonance 331
Autoignition
Thermogravimetric analysis of some nitramines, nitrosamines and nitroesters 191

Binary system
Calculations of excess enthalpies of binary systems at high pressures by means of a cubic equation of state 1
Excess partial molar enthalpies and free energies in methanol–isobutanol mixtures at 20°C. The effect of size difference 39
Thermodynamic analysis of the quasi-binary section A–Pb in the ternary system Pb–Bi–Mg. Part 2. Predicting the thermodynamic properties of the quasi-binary section A–Pb in the ternary system Pb–Bi–Mg 77
Estimation of the heat of fusion of binary compounds and of eutectic using thermodynamic balances 103
Bismuth
Thermodynamic analysis of the quasi-binary section A–Pb in the ternary system Pb–Bi–Mg. Part 1. Thermodynamic analysis of the quasi-binary section A–Pb in the ternary system Pb–Bi–Mg by the Oelsen calorimetric method 65
Thermodynamic analysis of the quasi-binary section A–Pb in the ternary system Pb–Bi–Mg. Part 2. Predicting the thermodynamic properties of the quasi-binary section A–Pb in the ternary system Pb–Bi–Mg 77
Brucite
Thermal decomposition of brucite, $Mg(OH)_2$: a ^{25}Mg MAS NMR study 339
Butanol
Excess partial molar enthalpies and free energies in methanol–isobutanol mixtures at 20°C. The effect of size difference 39

Calorimeter
Les systèmes ternaires fondus BaF_2–MF–ZrF_4 determination calorimétrique de l'enthalpie d'excès. Partie 2. M est Li, K 15
Some thermochemical and structural properties of penicillin V benzathine tetrahydrate 319
Calorimetry
Thermodynamic analysis of the quasi-binary section A–Pb in the ternary system Pb–Bi–Mg. Part 1. Thermodynamic analysis of the quasi-binary section A–Pb in the ternary system Pb–Bi–Mg by the Oelsen calorimetric method 65
High-temperature calorimetric studies on the thermal properties of $Rb_2U(SO_4)_3$(s) 95
Catalyst
A comparative study by thermal analysis of polyurethanes interacted with metallic ions 235
Cation
Thermodynamics of 1:1 electrolyte mixtures in aquo-1,4-dioxane solvent system: molar excess enthalpy 113
Cobalt compound
Preparation, structural characterisation and thermal analysis studies of methacrylic acid complexes of cobalt(II), nickel(II) and copper(II) 123
Compensation
Effect of metal oxides on the kinetics of

thermal oxidative degradation of nylon-6 155
Conductivity
Preparation, structural characterisation, thermal and electrical studies of cobalt(II) chloride and zinc(II) chloride compounds of poly(acrylamide) 129
Co-ordination
Preparation, structural characterisation, thermal and electrical studies of cobalt(II) chloride and zinc(II) chloride compounds of poly(acrylamide) 129
Thermal decomposition of brucite, $Mg(OH)_2$: a ^{25}Mg MAS NMR study 339
Copper compound
Preparation, structural characterisation and thermal analysis studies of methacrylic acid complexes of cobalt(II), nickel(II) and copper(II) 123
Crystallinity
Thermal decomposition of dolomite (calcium magnesium carbonate) studied by ^{25}Mg solid-state nuclear magnetic resonance 331
Thermal decomposition of brucite, $Mg(OH)_2$: a ^{25}Mg MAS NMR study 339
Crystallization
Solid lipospheres obtained from hot microemulsions in the presence of different concentrations of cosurfactant: the crystallization of stearic acid polymorphs 29
Cure
The characterization of amine-activated epoxies as a function of cure by using TGA/FT-IR 293
Cyclohexane
Excess volumes and excess viscosities of binary mixtures of cyclohexane + picoline 55

Decomposition
Preparation, structural characterisation, thermal and electrical studies of cobalt(II) chloride and zinc(II) chloride compounds of poly(acrylamide) 129
Kinetic analysis of thermal decomposition reactions. Part 8. Radiation effects on the thermal decomposition of ammonium oxalate monohydrate 143
The thermal study of Zn(II), Cd(II), Hg(II), Pd(II), Pt(II) and Au(III) complexes of 4,6-dimethyl-2-thiopyrimidine 225
A comparative study by thermal analysis of polyurethanes interacted with metallic ions 235
Spectroscopic and microscopic investigations of the thermal decomposition course of nickel oxysalts. Part 3. Nickel oxalate dihydrate 243
Thermal studies of metal poly(*n*-butyl methacrylates). Part 10 259
Thermal behaviour and thermochemistry of hexachlorozirconates of mononitrogen aromatic bases 269
Thermal decomposition of brucite, $Mg(OH)_2$: a ^{25}Mg MAS NMR study 339
Degradation
Effect of metal oxides on the kinetics of thermal oxidative degradation of nylon-6 155
DGEBA
The characterization of amine-activated epoxies as a function of cure by using TGA/FT-IR 293
Dimer
Prediction of ternary excess molar enthalpies for *n*-butylamine + 1,4-dioxane + acetonitrile from binary data alone 83
Dioxane
Thermodynamics of 1:1 electrolyte mixtures in aquo-1,4-dioxane solvent system: molar excess enthalpy 113
DMTP
The thermal study of Zn(II), Cd(II), Hg(II), Pd(II), Pt(II) and Au(III) complexes of 4,6-dimethyl-2-thiopyrimidine 225
Dolomite
Thermal decomposition of dolomite (calcium magnesium carbonate) studied by ^{25}Mg solid-state nuclear magnetic resonance 331
Double salt
High-temperature calorimetric studies on the thermal properties of $Rb_2U(SO_4)_3(s)$ 95
Estimation of the heat of fusion of binary compounds and of eutectic using thermodynamic balances 103
Thermal decomposition of dolomite (calcium magnesium carbonate) studied by ^{25}Mg solid-state nuclear magnetic resonance 331
DSC
Solid lipospheres obtained from hot microemulsions in the presence of different concentrations of cosurfactant: the crystallization of stearic acid polymorphs 29
High-temperature calorimetric studies on the thermal properties of $Rb_2U(SO_4)_3(s)$ 95
Structural and acidic properties of cationic-exchanged Y and mordenite zeolites 167
New correlations of the thermogravimetric analysis data of some commercial explosives 177
The thermal study of Zn(II), Cd(II), Hg(II),

Pd(II), Pt(II) and Au(III) complexes of 4,6-dimethyl-2-thiopyrimidine 225
Spectroscopic and microscopic investigations of the thermal decomposition course of nickel oxysalts. Part 3. Nickel oxalate dihydrate 243
The characterization of amine-activated epoxies as a function of cure by using TGA/FT-IR 293
Polymer melting: thermal resistance effects in a DSC 309
Some thermochemical and structural properties of penicillin V benzathine tetrahydrate 319

DTA
High-temperature calorimetric studies on the thermal properties of $Rb_2U(SO_4)_3$(s) 95
Preparation, structural characterisation and thermal analysis studies of methacrylic acid complexes of cobalt(II), nickel(II) and copper(II) 123
Preparation, structural characterisation, thermal and electrical studies of cobalt(II) chloride and zinc(II) chloride compounds of poly(acrylamide) 129
Preparation, structural characterisation and thermal analysis studies of vinylacetic acid compounds of some first row transition metals 137
Kinetic analysis of thermal decomposition reactions. Part 8. Radiation effects on the thermal decomposition of ammonium oxalate monohydrate 143
Thermoanalytical investigation of the formation of $YBa_2Cu_3O_{6.5}$ 207
A comparative study by thermal analysis of polyurethanes interacted with metallic ions 235
Spectroscopic and microscopic investigations of the thermal decomposition course of nickel oxysalts. Part 3. Nickel oxalate dihydrate 243
Thermal behaviour and thermochemistry of hexachlorozirconates of mononitrogen aromatic bases 269
Thermal decomposition of dolomite (calcium magnesium carbonate) studied by ^{25}Mg solid-state nuclear magnetic resonance 331

DTG
New correlations of the thermogravimetric analysis data of some commercial explosives 177
Thermogravimetric analysis of some nitramines, nitrosamines and nitroesters 191
Thermoanalytical investigation of the formation of $YBa_2Cu_3O_{6.5}$ 207
A comparative study by thermal analysis of polyurethanes interacted with metallic ions 235
Thermal studies of metal poly(*n*-butyl methacrylates). Part 10 259
Thermal behaviour and thermochemistry of hexachlorozirconates of mononitrogen aromatic bases 269
Thermal decomposition of dolomite (calcium magnesium carbonate) studied by ^{25}Mg solid-state nuclear magnetic resonance 331

Electrolyte
Thermodynamics of 1:1 electrolyte mixtures in aquo-1,4-dioxane solvent system: molar excess enthalpy 113

Emulsion
Solid lipospheres obtained from hot microemulsions in the presence of different concentrations of cosurfactant: the crystallization of stearic acid polymorphs 29

Epoxy
The characterization of amine-activated epoxies as a function of cure by using TGA/FT-IR 293

Eutectic
Estimation of the heat of fusion of binary compounds and of eutectic using thermodynamic balances 103

Excess molar enthalpy
Calculations of excess enthalpies of binary systems at high pressures by means of a cubic equation of state 1
Prediction of ternary excess molar enthalpies for *n*-butylamine + 1,4-dioxane + acetonitrile from binary data alone 83
Thermodynamics of 1:1 electrolyte mixtures in aquo-1,4-dioxane solvent system: molar excess enthalpy 113

Excess molar Gibbs energy
Thermodynamic analysis of the quasi-binary section A–Pb in the ternary system Pb–Bi–Mg. Part 2. Predicting the thermodynamic properties of the quasi-binary section A–Pb in the ternary system Pb–Bi–Mg 77

Excess molar viscosity
Excess volumes and excess viscosities of binary mixtures of cyclohexane + picoline 55

Excess molar volume
Excess volumes and excess viscosities of binary mixtures of cyclohexane + picoline 55

Excess partial molar enthalpy
Excess partial molar enthalpies and free

energies in methanol–isobutanol mixtures at 20°C. The effect of size difference 39
Excess partial molar Gibbs energy
Excess partial molar enthalpies and free energies in methanol–isobutanol mixtures at 20°C. The effect of size difference 39
Explosive
New correlations of the thermogravimetric analysis data of some commercial explosives 177
Thermogravimetric analysis of some nitramines, nitrosamines and nitroesters 191

FTIR
The characterization of amine-activated epoxies as a function of cure by using TGA/FT-IR 293

Gamma irradiation
Kinetic analysis of thermal decomposition reactions. Part 8. Radiation effects on the thermal decomposition of ammonium oxalate monohydrate 143

HDPE
Polymer melting: thermal resistance effects in a DSC 309
Heat capacity
Polymer melting: thermal resistance effects in a DSC 309
Heat of decomposition
The thermal study of Zn(II), Cd(II), Hg(II), Pd(II), Pt(II) and Au(III) complexes of 4,6-dimethyl-2-thiopyrimidine 225
Heat of formation
Les systèmes ternaires fondus BaF_2–MF–ZrF_4 determination calorimétrique de l'enthalpie d'excès. Partie 2. M est Li, K 15
Heat of fusion
Estimation of the heat of fusion of binary compounds and of eutectic using thermodynamic balances 103
Heat of reaction
Structural and acidic properties of cationic-exchanged Y and mordenite zeolites 167
Hexachlorozirconate
Thermal behaviour and thermochemistry of hexachlorozirconates of mononitrogen aromatic bases 269
HTSC
Thermoanalytical investigation of the formation of $YBa_2Cu_3O_{6.5}$ 207
Hydrogen bond
Thermodynamics of 1:1 electrolyte mixtures in aquo-1,4-dioxane solvent system: molar excess enthalpy 113

IRS
Preparation, structural characterisation, thermal and electrical studies of cobalt(II) chloride and zinc(II) chloride compounds of poly(acrylamide) 129
The thermal study of Zn(II), Cd(II), Hg(II), Pd(II), Pt(II) and Au(III) complexes of 4,6-dimethyl-2-thiopyrimidine 225
Isomer
Excess partial molar enthalpies and free energies in methanol–isobutanol mixtures at 20°C. The effect of size difference 39

Kinetics
Kinetic analysis of thermal decomposition reactions. Part 8. Radiation effects on the thermal decomposition of ammonium oxalate monohydrate 143
Effect of metal oxides on the kinetics of thermal oxidative degradation of nylon-6 155

Lead
Thermodynamic analysis of the quasi-binary section A–Pb in the ternary system Pb–Bi–Mg. Part 1. Thermodynamic analysis of the quasi-binary section A–Pb in the ternary system Pb–Bi–Mg by the Oelsen calorimetric method 65
Thermodynamic analysis of the quasi-binary section A–Pb in the ternary system Pb–Bi–Mg. Part 2. Predicting the thermodynamic properties of the quasi-binary section A–Pb in the ternary system Pb–Bi–Mg 77
Liposphere
Solid lipospheres obtained from hot microemulsions in the presence of different concentrations of cosurfactant: the crystallization of stearic acid polymorphs 29

Magnesium
Thermodynamic analysis of the quasi-binary section A–Pb in the ternary system Pb–Bi–Mg. Part 1. Thermodynamic analysis of the quasi-binary section A–Pb in the ternary system Pb–Bi–Mg by the Oelsen calorimetric method 65
Thermodynamic analysis of the quasi-binary section A–Pb in the ternary system Pb–Bi–Mg. Part 2. Predicting the thermodynamic properties of the quasi-binary section A–Pb in the ternary system Pb–Bi–Mg 77
MAS NMR
Thermal decomposition of dolomite (calcium magnesium carbonate) studied by

^{25}Mg solid-state nuclear magnetic resonance 331
Thermal decomposition of brucite, $Mg(OH)_2$: a ^{25}Mg MAS NMR study 339
Melting
Polymer melting: thermal resistance effects in a DSC 309
Methacrylic acid
Preparation, structural characterisation and thermal analysis studies of methacrylic acid complexes of cobalt(II), nickel(II) and copper(II) 123
Methanol
Excess partial molar enthalpies and free energies in methanol–isobutanol mixtures at 20°C. The effect of size difference 39
Microemulsion
Solid lipospheres obtained from hot microemulsions in the presence of different concentrations of cosurfactant: the crystallization of stearic acid polymorphs 29

Nickel compound
Preparation, structural characterisation and thermal analysis studies of methacrylic acid complexes of cobalt(II), nickel(II) and copper(II) 123
Nickel oxalate
Spectroscopic and microscopic investigations of the thermal decomposition course of nickel oxysalts. Part 3. Nickel oxalate dihydrate 243
Nitramine
Thermogravimetric analysis of some nitramines, nitrosamines and nitroesters 191
Nitroester
Thermogravimetric analysis of some nitramines, nitrosamines and nitroesters 191
Nitrosamine
Thermogravimetric analysis of some nitramines, nitrosamines and nitroesters 191
NMR
The thermal study of Zn(II), Cd(II), Hg(II), Pd(II), Pt(II) and Au(III) complexes of 4,6-dimethyl-2-thiopyrimidine 225
Thermal decomposition of dolomite (calcium magnesium carbonate) studied by ^{25}Mg solid-state nuclear magnetic resonance 331
Thermal decomposition of brucite, $Mg(OH)_2$: a ^{25}Mg MAS NMR study 339
NRTL
Calculations of excess enthalpies of binary systems at high pressures by means of a cubic equation of state 1
Prediction of ternary excess molar enthalpies for *n*-butylamine + 1,4-dioxane + acetonitrile from binary data alone 83
Nylon
Effect of metal oxides on the kinetics of thermal oxidative degradation of nylon-6 155

Oxalate
Kinetic analysis of thermal decomposition reactions. Part 8. Radiation effects on the thermal decomposition of ammonium oxalate monohydrate 143
Spectroscopic and microscopic investigations of the thermal decomposition course of nickel oxysalts. Part 3. Nickel oxalate dihydrate 243
Oxide
Effect of metal oxides on the kinetics of thermal oxidative degradation of nylon-6 155
Thermal decomposition of brucite, $Mg(OH)_2$: a ^{25}Mg MAS NMR study 339
Oxysalt
Spectroscopic and microscopic investigations of the thermal decomposition course of nickel oxysalts. Part 3. Nickel oxalate dihydrate 243

Penicillin
Some thermochemical and structural properties of penicillin V benzathine tetrahydrate 319
Picoline
Excess volumes and excess viscosities of binary mixtures of cyclohexane + picoline 55
Polymer
Preparation, structural characterisation, thermal and electrical studies of cobalt(II) chloride and zinc(II) chloride compounds of poly(acrylamide) 129
A comparative study by thermal analysis of polyurethanes interacted with metallic ions 235
Thermal studies of metal poly(*n*-butyl methacrylates). Part 10 259
The characterization of amine-activated epoxies as a function of cure by using TGA/FT-IR 293
Polymer melting: thermal resistance effects in a DSC 309
Polymorphism
Solid lipospheres obtained from hot microemulsions in the presence of different concentrations of cosurfactant: the crystallization of stearic acid polymorphs 29

Polyurethane
A comparative study by thermal analysis of polyurethanes interacted with metallic ions 235

Quasibinary system
Thermodynamic analysis of the quasi-binary section A–Pb in the ternary system Pb–Bi–Mg. Part 1. Thermodynamic analysis of the quasi-binary section A–Pb in the ternary system Pb–Bi–Mg by the Oelsen calorimetric method 65
Thermodynamic analysis of the quasi-binary section A–Pb in the ternary system Pb–Bi–Mg. Part 2. Predicting the thermodynamic properties of the quasi-binary section A–Pb in the ternary system Pb–Bi–Mg 77

Redox
Effect of metal oxides on the kinetics of thermal oxidative degradation of nylon-6 155
Resin
The characterization of amine-activated epoxies as a function of cure by using TGA/FT-IR 293
Rubidium compound
High-temperature calorimetric studies on the thermal properties of $Rb_2U(SO_4)_3$(s) 95

Self-association
Prediction of ternary excess molar enthalpies for *n*-butylamine + 1,4-dioxane + acetonitrile from binary data alone 83
SEM
Spectroscopic and microscopic investigations of the thermal decomposition course of nickel oxysalts. Part 3. Nickel oxalate dihydrate 243
Semtex
New correlations of the thermogravimetric analysis data of some commercial explosives 177
Solvation
Prediction of ternary excess molar enthalpies for *n*-butylamine + 1,4-dioxane + acetonitrile from binary data alone 83
Solvent
Thermodynamics of 1:1 electrolyte mixtures in aquo-1,4-dioxane solvent system: molar excess enthalpy 113
Stability
New correlations of the thermogravimetric analysis data of some commercial explosives 177
Thermal studies of metal poly(*n*-butyl methacrylates). Part 10 259
Stoichiometry
Preparation, structural characterisation and thermal analysis studies of methacrylic acid complexes of cobalt(II), nickel(II) and copper(II) 123
Preparation, structural characterisation, thermal and electrical studies of cobalt(II) chloride and zinc(II) chloride compounds of poly(acrylamide) 129
Preparation, structural characterisation and thermal analysis studies of vinylacetic acid compounds of some first row transition metals 137
Superconductor
Thermoanalytical investigation of the formation of $YBa_2Cu_3O_{6.5}$ 207

TA
Thermogravimetric analysis of some nitramines, nitrosamines and nitroesters 191
Ternary system
Les systèmes ternaires fondus BaF_2–MF–ZrF_4 determination calorimétrique de l'enthalpie d'excés. Partie 2. M est Li, K 15
Thermodynamic analysis of the quasi-binary section A–Pb in the ternary system Pb–Bi–Mg. Part 1. Thermodynamic analysis of the quasi-binary section A–Pb in the ternary system Pb–Bi–Mg by the Oelsen calorimetric method 65
Thermodynamic analysis of the quasi-binary section A–Pb in the ternary system Pb–Bi–Mg. Part 2. Predicting the thermodynamic properties of the quasi-binary section A–Pb in the ternary system Pb–Bi–Mg 77
Prediction of ternary excess molar enthalpies for *n*-butylamine + 1,4-dioxane + acetonitrile from binary data alone 83
TG
High-temperature calorimetric studies on the thermal properties of $Rb_2U(SO_4)_3$(s) 95
Preparation, structural characterisation and thermal analysis studies of methacrylic acid complexes of cobalt(II), nickel(II) and copper(II) 123
Preparation, structural characterisation, thermal and electrical studies of cobalt(II) chloride and zinc(II) chloride compounds of poly(acrylamide) 129
Preparation, structural characterisation and thermal analysis studies of vinylacetic acid compounds of some first row transition metals 137
Kinetic analysis of thermal decomposition

reactions. Part 8. Radiation effects on the thermal decomposition of ammonium oxalate monohydrate 143
Effect of metal oxides on the kinetics of thermal oxidative degradation of nylon-6 155
Thermoanalytical investigation of the formation of $YBa_2Cu_3O_{6.5}$ 207
The thermal study of Zn(II), Cd(II), Hg(II), Pd(II), Pt(II) and Au(III) complexes of 4,6-dimethyl-2-thiopyrimidine 225
A comparative study by thermal analysis of polyurethanes interacted with metallic ions 235
Thermal studies of metal poly(*n*-butyl methacrylates). Part 10 259
Thermal behaviour and thermochemistry of hexachlorozirconates of mononitrogen aromatic bases 269

TGA
New correlations of the thermogravimetric analysis data of some commercial explosives 177
Thermogravimetric analysis of some nitramines, nitrosamines and nitroesters 191
Spectroscopic and microscopic investigations of the thermal decomposition course of nickel oxysalts. Part 3. Nickel oxalate dihydrate 243
The characterization of amine-activated epoxies as a function of cure by using TGA/FT-IR 293
Some thermochemical and structural properties of penicillin V benzathine tetrahydrate 319

Thermal lag
Polymer melting: thermal resistance effects in a DSC 309

Thermodynamics
Excess volumes and excess viscosities of binary mixtures of cyclohexane + picoline 55
Thermodynamic analysis of the quasi-binary section A–Pb in the ternary system Pb–Bi–Mg. Part 1. Thermodynamic analysis of the quasi-binary section A–Pb in the ternary system Pb–Bi–Mg by the Oelsen calorimetric method 65
Estimation of the heat of fusion of binary compounds and of eutectic using thermodynamic balances 103
Thermodynamics of 1:1 electrolyte mixtures in aquo-1,4-dioxane solvent system: molar excess enthalpy 113

Transition metal compound
Preparation, structural characterisation and thermal analysis studies of vinylacetic acid compounds of some first row transition metals 137

Uranium compound
High-temperature calorimetric studies on the thermal properties of $Rb_2U(SO_4)_3$(s) 95

Vinylacetic acid
Preparation, structural characterisation and thermal analysis studies of vinylacetic acid compounds of some first row transition metals 137

VLE
Calculations of excess enthalpies of binary systems at high pressures by means of a cubic equation of state 1

XRD
Thermodynamic analysis of the quasi-binary section A–Pb in the ternary system Pb–Bi–Mg. Part 1. Thermodynamic analysis of the quasi-binary section A–Pb in the ternary system Pb–Bi–Mg by the Oelsen calorimetric method 65
High-temperature calorimetric studies on the thermal properties of $Rb_2U(SO_4)_3$(s) 95
Thermoanalytical investigation of the formation of $YBa_2Cu_3O_{6.5}$ 207
Some thermochemical and structural properties of penicillin V benzathine tetrahydrate 319
Thermal decomposition of dolomite (calcium magnesium carbonate) studied by ^{25}Mg solid-state nuclear magnetic resonance 331
Thermal decomposition of brucite, $Mg(OH)_2$: a ^{25}Mg MAS NMR study 339

XRPD
Solid lipospheres obtained from hot microemulsions in the presence of different concentrations of cosurfactant: the crystallization of stearic acid polymorphs 29

Zeolite
Structural and acidic properties of cationic-exchanged Y and mordenite zeolites 167